

## ABSTRACT OF THE DISCLOSURE

A hybrid compressor includes a housing. A rotary shaft is rotatably supported by the housing. A compression mechanism is located in the housing and connected to the rotary shaft for compressing refrigerant gas. A drive mechanism is located in the housing for driving the compression mechanism. A speed-changing mechanism is located in the housing for transmitting power from the drive mechanism to the compression mechanism via rotary shaft. The speed-changing mechanism varies the rotational speed of the drive mechanism. A sealing mechanism is located in the housing for sealing the speed-changing mechanism.